Caring for Your M9 & M11 Sterilizer

WEEKLY

WARNING *- BE SURE THAT UNIT IS COOL WHEN CLEANING TO PREVENT POSSIBILITY OF BURNS.*

1. CLEAN EXTERNAL SURFACES

(a) Wipe with a soft dry cloth and occasionally with a damp cloth and mild soap or detergent.

2. CLEAN INTERNAL SURFACES

(a) Drain water from reservoir using drain tube located on front of unit.

EQUIPMENT ALERT *- FAILURE TO CHANGE WATER PROMOTES GROWTH OF ALGAE IN RESERVOIR AND MAY CAUSE STERILIZER TO MALFUNCTION.*

(b) Using a mild soap or **Speed-Clean Sterilizer Cleaner™** and distilled water, wash inside of chamber, trays, door gasket, and door gasket mating surface. Examine door gasket for possible damage that could prevent a good sealing surface.

(c) Refill reservoir with clean, distilled water.

MONTHLY

EQUIPMENT ALERT *- FAILURE TO FLUSH UNIT WITH **SPEED-CLEAN STERILIZER CLEANER™**, OR USE OF **OTHER** STERILIZER CLEANERS MAY CAUSE SOME COMPONENTS IN UNIT TO FAIL PREMATURELY.*

1. FLUSH SYSTEM

(a) Drain reservoir and fill with clean distilled water. Add 1 oz. of **Speed-Clean Sterilizer Cleaner™** to a cool chamber.

(b) Run one **POUCH** cycle. Instruments ***should not*** be sterilized while cleaning the sterilizer.

(c) Drain cleaning solution from reservoir. Then, refill reservoir with clean, distilled water and run one **UNWRAPPED** cycle.

(d) Drain reservoir and allow sterilizer to cool to room temperature.

(e) Remove door and dam gaskets from gasket housing channel. Clean channel and gaskets using a mild soap or **Speed-Clean Sterilizer Cleaner™** and clean, distilled water. A small stiff bristle brush will aid procedure. After cleaning gaskets, inspect for damage, shrinking, or swelling and replace if necessary. Press gasket into the channel and reinstall dam gasket.

(f) Remove trays, tray rack, and tray plate. Pressing downward on top band of tray rack, pull upward on end of tray plate and slide assembly out of chamber.

(g) Locate chamber filters on bottom and back of chamber. Grasp filter and pull outward while twisting slightly. (If neccesary, a pair of pliers may be used). Filter may be cleaned with mild soap or **Speed-Clean Sterilizer Cleaner™** and clean, distilled water. A small stiff bristle brush or ultrasonic cleaner may be helpfull to remove foreign objects from filter surface. Rinse filter with clean, distilled water. **NOTE - If cleaning methods do not effectively clean the filter, replacement may be necessary.** Reinstall filters by pressing inwards and twisting slightly.

EQUIPMENT ALERT *- DO NOT OPERATE STERILIZER WITHOUT FILTERS IN PLACE.*

(h) Wipe off trays, tray rack, and tray plate. Reinstall assembly by placing back edge of tray plate in chamber. Pushing downward on top of tray rack, slowly push assembly into chamber.

EQUIPMENT ALERT *- ANGLED END OF PLATE MUST BE TOWARD BACK OF CHAMBER TO PREVENT INTERFERENCE WITH TEMPERATURE PROBE IN BACK OF CHAMBER.*

(j) Fill the reservoir with clean, distilled water. Sterilizer is now ready for use.

2. PRESSURE RELIEF VALVE CHECK

Refer to the Installation and Operation Manual for this procedure.

Remember to ask your dealer for Speed-Clean Sterilizer Cleaner™ (#002-0396-00) or call 1-800-MIDMARK for information

OVER FOR M9 / M11 OPERATION

Operating Your M9 & M11 Sterilizer

PRE PROGRAMMED OPERATION

STEP 1 Select and press the appropriate sterilization pre programmed button.

*{**NOTE**: Refer to Standard Cycle Parameters (below) to select the proper sterilization program time and temperature.}*

STEP 2 Press the **START** button.

***WARNING**: STOP BUTTON MAY BE DEPRESSED AT ANY TIME TO STOP OR INTERRUPT A CYCLE. GOODS MUST NOT BE CONSIDERED STERILE IF THIS OCCURS BEFORE THE DRY CYCLE BEGINS.*

PROGRAMMING

STEP 1 Press button **1** or **2**.

STEP 2 Press **PROGRAM** button.

*(**NOTE:** Sterilization temperature can be adjusted from a minimum of 230°F {110°C} to maximum 275°F {135°C})*

The + button **raises** temperature 1°.

The − button **lowers** temperature 1°.

*(**NOTE:** If **STOP** button is pressed anytime during the Programming Mode any settings entered will be aborted and programming will revert back to the original settings.)*

STEP 3 Press **PROGRAM** button.

*{**NOTE**: Sterilization time can be adjusted from a minimum of 3 minutes to maximum 90 minutes.}*

The + button **raises** time 1 minute.

The − button **lowers** time 1 minute.

STEP 4 Press **PROGRAM** button.

The + button changes venting to **FAST**.

The − button changes venting to **SLOW**.

STEP 5 Press **PROGRAM** button.

*(**NOTE**: Drying Time can be adjusted from a minimum of 0 minutes to a maximum of 60 minutes.)*

The + button **raises** time 1 minute.

The − button **lowers** time 1 minute.

STEP 6 Press **PROGRAM** button.

The display shows the new programmed settings for the button that was programmed **1** or **2**.

*(**NOTE**:The programmed settings entered are retained under that Program button (**1** or **2**). If power is interrupted or the unit is unplugged, the settings will be retained.)*

STANDARD CYCLE PARAMETERS

Unwrapped	270°F (132°C) 27.1 psi (186 kPa) Sterilize for 3 minutes Dry for 30 minutes	• Instruments loose on a tray. • Open glass or metal canisters. • Tubing not used in surgical procedures. • Loose items manufacturers recommend for exposure at 270°F (132°C). *The sterility of unwrapped items is compromised on exposure to a non-sterile environment.*
Pouches	270°F (132°C) 27.1 psi (186 kPa) Sterilize for 5 minutes Dry for 30 minutes	• Pouched or loosely wrapped instruments. • Multiple layers of instruments separated by fabric. • Wrapped trays of loose instruments. • Tubing not used in surgical procedures. • Wrapped items manufacturers recommend for exposure at 270°F (132°C).
Packs	250°F (121°C) 15 psi (104 kPa) Sterilize for 30 minutes Dry for 30 minutes	• Textiles and surgical packs wrapped for sterilization. • Items, except liquids, manufacturers recommend for exposure at 250°F (121°C) for 30 minutes.
Handpieces	270°F (132°C) 27.1 psi (186 kPa) Sterilize for 6 minutes Dry for 30 minutes	• Dental handpieces
1 2	Programmable User Defined 230°F (110°C) to 275°F (135°C) 6 psi (41 kPa) to 31 psi (214 kPa) 3 min. to 90 min.	• Items appropriate for user's defined parameters. **CAUTION** Temperatures below 250°F (121°C) should only be used disinfection unless otherwise recommended by the device manufacturer.

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OVER FOR M9 / M11 OPERATOR MAINTENANCE

MIDMARK®